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OM protein - protein search, using sw model

Run on: August 4, 2003, 15:31:01 ; Search time 14.527 Seconds

(without alignments) 923.283 Million cell updates/sec

Title: US-09-865-363-13

Perfect score: 1685

Sequence: MRRASRDYTKYLRSBEMGG.....LLDPDODATFGAFKVRDID 317

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 328917 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AAI:

1: /cgpn2_6/ptdaa/1/1aa/5A_COMB.pep:*

2: /cgpn2_6/ptdaa/1/1aa/5B_COMB.pep:*

3: /cgpn2_6/ptdaa/1/1aa/6A_COMB.pep:*

4: /cgpn2_6/ptdaa/1/1aa/6B_COMB.pep:*

5: /cgpn2_6/ptdaa/1/1aa/PCUS_COMB.pep:*

6: /cgpn2_6/ptdaa/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1685	100.0	317	3 US-08-996-139-13
2	1685	100.0	317	3 US-08-995-659-13
3	1685	100.0	317	3 US-09-215-649A-13
4	1685	100.0	317	4 US-09-052-521C-4
5	1685	100.0	317	4 US-09-577-780-13
6	1685	100.0	317	4 US-09-577-800-13
7	1685	100.0	317	4 US-09-466-496-13
8	1685	100.0	317	4 US-09-871-856-13
9	1685	100.0	317	4 US-09-871-291-13
10	1417.5	84.1	316	2 US-08-842-842-7
11	1417.5	84.1	316	3 US-08-989-362-2
12	1417.5	84.1	316	4 US-09-052-521C-2
13	1417.5	84.1	316	4 US-09-671-658A-2
14	1326.5	78.7	294	3 US-08-996-139-11
15	1326.5	78.7	294	3 US-08-995-659-11
16	1326.5	78.7	294	3 US-09-215-649A-11
17	1326.5	78.7	294	4 US-09-577-800-11
18	1326.5	78.7	294	4 US-09-577-800-11
19	1326.5	78.7	294	4 US-09-466-496-11
20	1326.5	78.7	294	4 US-09-871-856-11
21	1326.5	78.7	294	4 US-09-871-291-11
22	418	24.8	294	4 US-09-632-287A-10
23	363	21.5	77	4 US-09-632-287A-10
24	251.5	14.9	279	4 US-09-072-993C-3
25	251.5	14.9	281	1 US-08-540-544-2
26	251.5	14.9	281	3 US-08-584-031-1
27	251.5	14.9	281	3 US-08-780-496-1

ALIGNMENTS

RESULT 1
US-08-996-139-13
; Sequence 13, Application US/08996139
; Patent No. 6017729
; GENERAL INFORMATION:
; APPLICANT: Anderson, Dirk M.
; APPLICANT: Mataskovsky, Eugene
; TITLE OF INVENTION: Receptor Activator of NF-kappab
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/996-139
; FILING DATE: 22 DECEMBER 1997
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: USN 60/064, 671
; FILING DATE: 14 OCTOBER 1997
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: USN 08/813, 509
; APPLICATION NUMBER: USN 08/813, 509
; FILING DATE: 07 MARCH 1997
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: USN 08/772, 330
; FILING DATE: 23 DECEMBER 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34, 693
; REFERENCE DOCKET NUMBER: 2851-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 317 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-996-139-13

Query Match 100.0%; Score 1685; DB 3; Length 317;
 Best Local Similarity 100.0%; Prod. No. 1.8e-163; Mismatches 0; Indels 0; Gaps 0;
 Matches 317; Conservative 0; Sequence Characteristics: ;
 SEQUENCE LENGTH: 317 amino acids

QY 1 MRRASRDYTYKYLRSSEEMGGPGAPHEGLHAPPAPPAHOPPAAASRSMVALIGLGQV 60

Db 1 MRRASRDYTYKYLRSSEEMGGPGAPHEGLHAPPAPPAHOPPAAASRSMVALIGLGQV 60

QY 61 VCSVALFFYFRAQMDPNRISEDGHCYRILRLHENADFOOTLESQDQTKLIPDSCKRK 120

Db 61 VCSVALFFYFRAQMDPNRISEDGHCYRILRLHENADFOOTLESQDQTKLIPDSCKRK 120

QY 121 QAFQAVQKELQHIVGSQHRAEKAMDGWSWLDAKSLEAQPFALHTINATDIPSGSH 180

Db 121 QAFQAVQKELQHIVGSQHRAEKAMDGWSWLDAKSLEAQPFALHTINATDIPSGSH 180

QY 181 KVSLSSWYHDRVWAKISNMTFSNGKLIVNODGFVLYANICFRHETSDATEYLQMV 240

Db 181 KVSLSSWYHDRVWAKISNMTFSNGKLIVNODGFVLYANICFRHETSDATEYLQMV 240

RESULT 2
 US-08-995-659-13
 ; Sequence 13, Application US/08995659
 ; Patent No. 6242213
 ; GENERAL INFORMATION:
 ; APPLICANT: Anderson, Dirk M.
 ; APPLICANT: Galibert, Laurent
 ; ADDRESSEE: Immunex Corporation, Law Department
 ; NUMBER OF SEQUENCES: 19
 ; TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
 ; CORRESPONDENCE ADDRESS:
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; ZIP: 98101
 ; MEDIUM TYPE: FLOPPY DISK
 ; COMPUTER: Apple Power Macintosh
 ; OPERATING SYSTEM: Apple Operating System 7.5.5
 ; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/081995_659
 ; FILING DATE: 22 DECEMBER 1997
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: USSN 08/813,509
 ; FILING DATE: 07 MARCH 1997
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: USSN 08/772,330
 ; FILING DATE: 23 DECEMBER 1996
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia Anne
 ; REGISTRATION NUMBER: 34,693
 ; REFERENCE/DOCKET NUMBER: 2852-A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 317 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-995-659-13
 Query Match 100.0%; Score 1685; DB 3; Length 317;
 Best Local Similarity 100.0%; Prod. No. 1.8e-163; Mismatches 0; Indels 0; Gaps 0;
 Matches 317; Conservative 0; Sequence Characteristics: ;
 SEQUENCE LENGTH: 317 amino acids

QY 1 MRRASRDYTYKYLRSSEEMGGPGAPHEGLHAPPAPPAHOPPAAASRSMVALIGLGQV 60

Db 1 MRRASRDYTYKYLRSSEEMGGPGAPHEGLHAPPAPPAHOPPAAASRSMVALIGLGQV 60

QY 61 VCSVALFFYFRAQMDPNRISEDGHCYRILRLHENADFOOTLESQDQTKLIPDSCKRK 120

Db 61 VCSVALFFYFRAQMDPNRISEDGHCYRILRLHENADFOOTLESQDQTKLIPDSCKRK 120

QY 121 QAFQAVQKELQHIVGSQHRAEKAMDGWSWLDAKSLEAQPFALHTINATDIPSGSH 180

Db 121 QAFQAVQKELQHIVGSQHRAEKAMDGWSWLDAKSLEAQPFALHTINATDIPSGSH 180

QY 181 KVSLSSWYHDRVWAKISNMTFSNGKLIVNODGFVLYANICFRHETSDATEYLQMV 240

Db 181 KVSLSSWYHDRVWAKISNMTFSNGKLIVNODGFVLYANICFRHETSDATEYLQMV 240

QY 181 KVSLSSWYHDRVWAKISNMTFSNGKLIVNODGFVLYANICFRHETSDATEYLQMV 240

RESULT 3
 US-09-215-649A-13
 ; Sequence 13, Application US/09215649A
 ; Patent No. 627149
 ; GENERAL INFORMATION:
 ; APPLICANT: Anderson, Dirk M.
 ; APPLICANT: Galibert, Laurent
 ; ADDRESSEE: Immunex Corporation, Law Department
 ; NUMBER OF SEQUENCES: 19
 ; TITLE OF INVENTION: Receptor Activator of NF-kappaB
 ; CORRESPONDENCE ADDRESS:
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; ZIP: 98101
 ; MEDIUM TYPE: FLOPPY DISK
 ; COMPUTER: Apple Power Macintosh
 ; OPERATING SYSTEM: Apple Operating System 7.5.5
 ; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/215,649A
 ; FILING DATE: 17-Dec-1998
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/996,139
 ; FILING DATE: 23 DECEMBER 1996
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia Anne
 ; REGISTRATION NUMBER: 34,693
 ; REFERENCE/DOCKET NUMBER: 2852-A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206)587-0430
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia Anne

QY 1 MRRASRDYTKYLROSEEMGGPGAPHEGLAHPAPPAPHQPAASRSMFVALIGLGQV 60
 Db 1 MRRASRDYTKYLROSEEMGGPGAPHEGLAHPAPPAPHQPAASRSMFVALIGLGQV 60
 QY 61 VCSVALFFYFRAQMDPNSRISEDGHTCYRLRHENADFDQTLESQDQKLIPDSCKRK 120
 Db 61 VCSVALFFYFRAQMDPNSRISEDGHTCYRLRHENADFDQTLESQDQKLIPDSCKRK 120
 QY 121 QAFQAVOKELQHVGSOHRAEKAMVCGSWLDAKRSKLEOPFAHLTINADIPSASH 180
 Db 121 QAFQAVOKELQHVGSOHRAEKAMVCGSWLDAKRSKLEOPFAHLTINADIPSASH 180
 QY 121 QAFQAVOKELQHVGSOHRAEKAMVCGSWLDAKRSKLEOPFAHLTINADIPSASH 180
 Db 121 QAFQAVOKELQHVGSOHRAEKAMVCGSWLDAKRSKLEOPFAHLTINADIPSASH 180
 QY 241 YVKTISKIKPSHTLMKGSTKWMGSNSEFHFSINVGGFFKLRSGEESIEVSNPSILD 300
 Db 241 YVKTISKIKPSHTLMKGSTKWMGSNSEFHFSINVGGFFKLRSGEESIEVSNPSILD 300
 QY 301 PDDATYFGAKVARDID 317
 Db 301 PDDATYFGAKVARDID 317

RESULT 6 ; LENGTH: 317 amino acids
 US-09-577-800-13 ; TYPE: amino acid
 ; Sequence 13, Application US/09577800 ; TOPOLOGY: linear
 ; Patent No. 6479835 ; MOLECULE TYPE: protein
 ; GENERAL INFORMATION:
 ; APPLICANT: Anderson, Dirk M.
 ; APPLICANT: Galibert, Laurent.
 ; APPLICANT: Maraskovsky, Eugene
 ; TITLE OF INVENTION: Receptor Activator of NF-kappaB
 ; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunex Corporation, Law Department
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk
 ; COMPUTER: Apple Power Macintosh
 ; OPERATING SYSTEM: Apple Operating System 7.5.5
 ; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/577,800
 ; FILING DATE: 24-MAY-2000
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 09/996,139
 ; FILING DATE: 22-DECEMBER 1997
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: USSN 60/064,671
 ; FILING DATE: 14-OCTOBER 1997
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: USSN 08/813,509
 ; FILING DATE: 07-MARCH 1997
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: USSN 08/772,330
 ; FILING DATE: 23-DECEMBER 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia Anne
 ; REGISTRATION NUMBER: 34,693
 ; REFERENCE/DOCKET NUMBER: 2851-A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206) 587-0430
 ; TELEFAX: (206) 233-0644
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:

RESULT 7 ; LENGTH: 317 amino acids
 US-09-466-496-13 ; TYPE: amino acid
 ; Sequence 13, Application US/09466496 ; TOPOLOGY: linear
 ; Patent No. 652882 ; MOLECULE TYPE: protein
 ; GENERAL INFORMATION:
 ; APPLICANT: Anderson, Dirk M.
 ; APPLICANT: Galibert, Laurent.
 ; APPLICANT: Maraskovsky, Eugene
 ; TITLE OF INVENTION: Receptor Activator of NF-kappaB
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunex Corporation, Law Department
 ; STREET: 51 University Street
 ; CITY: Seattle
 ; STATE: WA
 ; COUNTRY: USA
 ; ZIP: 98101
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY disk
 ; COMPUTER: Apple Power Macintosh
 ; OPERATING SYSTEM: Apple Operating System 7.5.5
 ; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/466,496
 ; FILING DATE: 17-DEC-1999
 ; CLASSIFICATION: <Unknown>
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/996,139
 ; FILING DATE: 22-DECEMBER 1997
 ; APPLICATION NUMBER: USSN 60/064,671
 ; FILING DATE: 14-OCTOBER 1997
 ; APPLICATION NUMBER: USSN 08/813,509
 ; FILING DATE: 07-MARCH 1997
 ; APPLICATION NUMBER: USSN 08/772,330
 ; FILING DATE: 23-DECEMBER 1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Perkins, Patricia Anne
 ; REGISTRATION NUMBER: 34,693
 ; REFERENCE/DOCKET NUMBER: 2851-A
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206) 587-0430
 ; TELEFAX: (206) 233-0644
 ; INFORMATION FOR SEQ ID NO: 13:
 ; SEQUENCE CHARACTERISTICS:

REFERENCE/DOCKET NUMBER: 2851-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644

INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 317 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 US-09-466-496-13
 Query Match 100.0%; Score 1685; DB 4; Length 317;
 Best Local Similarity 100.0%; Pred. No. 1. 8e-163;
 Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRRASRDYVYKLRGSEEMGGGPAGPHEGHPLHAPPAPPAHQPPAASRSMVALLGLGLQV 60
 Db 1 MRRASRDYTKYLROSEEMGGGPAGPHEGHPLHAPPAPPAHQPPAASRSMVALLGLGLQV 60
 Qy 61 VCSVALFFYFRAMQDPNRLPRISEDGHTCYTRIRLHENADFOPTLESQDTKLIPDSRRIK 120
 Db 61 VCSVALFFYFRAMQDPNRLPRISEDGHTCYTRIRLHENADFOPTLESQDTKLIPDSRRIK 120
 Qy 121 QAFOGAVOKELQHIVGSOHIREAKAMVGDSWLDLAKRSKLEAQPAHLTINATDIPSGSH 180
 Db 121 QAFOGAVOKELQHIVGSOHIREAKAMVGDSWLDLAKRSKLEAQPAHLTINATDIPSGSH 180
 Qy 181 KVSLSSWYHORGWAKISNMFTSNGKLIVNQDGFFYLYANICFRHETSGDATEYLQMV 240
 Db 181 KVSLSSWYHORGWAKISNMFTSNGKLIVNQDGFFYLYANICFRHETSGDATEYLQMV 240
 Qy 241 YVKTTSKIPSSHTLMKGSTKYGNSNFHYSINVGCFKLRSGEETIEVSNPSLID 300
 Db 241 YVKTTSKIPSSHTLMKGSTKYGNSNFHYSINVGCFKLRSGEETIEVSNPSLID 300
 Qy 301 PDDATYFGAKVRDID 317
 Db 301 PDDATYFGAKVRDID 317

RESULT 8

US 09-871-856-13
 Sequence 13, Application US/09871856
 Patent No. 653763

GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.

Galibert, Laurent

TITLE OF INVENTION: Receptor Activator of NF-kappaB

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
ZIP: 98101COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/871, 856
FILING DATE: 31-May-2001
CLASSIFICATION: <Unknown>PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/996, 139
FILING DATE: <Unknown>
APPLICATION NUMBER: US/09/813, 509
FILING DATE: 07 MARCH 1997

APPLICATION NUMBER: USSN 08/772, 330
 FILING DATE: 23 DECEMBER 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34 693
 REFERENCE/DOCKET NUMBER: 2851-A

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644

INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 317 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 US-09-871-856-13
 Query Match 100.0%; Score 1685; DB 4; Length 317;
 Best Local Similarity 100.0%; Pred. No. 1. 8e-163;
 Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRRASRDYTKYLROSEEMGGGPAGPHEGHPLHAPPAPPAHQPPAASRSMVALLGLGLQV 60
 Db 1 MRRASRDYTKYLROSEEMGGGPAGPHEGHPLHAPPAPPAHQPPAASRSMVALLGLGLQV 60
 Qy 61 VCSVALFFYFRAMQDPNRLPRISEDGHTCYTRIRLHENADFOPTLESQDTKLIPDSRRIK 120
 Db 61 VCSVALFFYFRAMQDPNRLPRISEDGHTCYTRIRLHENADFOPTLESQDTKLIPDSRRIK 120
 Qy 121 QAFOGAVOKELQHIVGSOHIREAKAMVGDSWLDLAKRSKLEAQPAHLTINATDIPSGSH 180
 Db 121 QAFOGAVOKELQHIVGSOHIREAKAMVGDSWLDLAKRSKLEAQPAHLTINATDIPSGSH 180
 Qy 181 KVSLSSWYHORGWAKISNMFTSNGKLIVNQDGFFYLYANICFRHETSGDATEYLQMV 240
 Db 181 KVSLSSWYHORGWAKISNMFTSNGKLIVNQDGFFYLYANICFRHETSGDATEYLQMV 240
 Qy 241 YVKTTSKIPSSHTLMKGSTKYGNSNFHYSINVGCFKLRSGEETIEVSNPSLID 300
 Db 241 YVKTTSKIPSSHTLMKGSTKYGNSNFHYSINVGCFKLRSGEETIEVSNPSLID 300
 Qy 301 PDDATYFGAKVRDID 317
 Db 301 PDDATYFGAKVRDID 317

RESULT 9

US 09-871-891-13
 Sequence 13, Application US/09871291
 Patent No. 6562948

GENERAL INFORMATION:

APPLICANT: Anderson, Dirk M.

Galibert, Laurent
Maraskovsky, EugeneTITLE OF INVENTION: Receptor Activator of NF-kappaB
NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunex Corporation, Law Department
STREET: 51 University Street
CITY: Seattle
STATE: WA
ZIP: 98101COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: Apple Power Macintosh
OPERATING SYSTEM: Apple Operating System 7.5.5SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/871, 291
FILING DATE: 30-May-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/996,139

FILING DATE: <Unknown>

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-451

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206)587-0430

TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 317 amino acids

APPLICATION NUMBER: USN 08/772,330

FILING DATE: 23 DECEMBER 1996

ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne

REFERENCE/DOCKET NUMBER: 2851-A

SEQUENCE CHARACTERISTICS:

TYPE: amino acid

TOPOLGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 13:

US-09-871-291-13

Query Match 100.0%; Score 1685; DB 4; Length 317;
 Best Local Similarity 100.0%; Pred. No. 1; 8e-163; Indels 0; Gaps 0;
 Matches 317; Conservative 0; Mismatches 0;

QY 1 MRRASRDYTYLRLGSEEMGGPGAPHEGPRAHPPAPRHOOPPAAASRSRMVFLALGGLGQV 60
 Db 1 MRRASRDYTYLRLGSEEMGGPGAPHEGPRAHPPAPRHOOPPAAASRSRMVFLALGGLGQV 60
 QY 61 VCSVALFFYFRQMDPNRISEDGTICYRILRLHENADQFTTLESODKLIPDSCRRIK 120
 Db 61 VCSVALFFYFRQMDPNRISEDGTICYRILRLHENADQFTTLESODKLIPDSCRRIK 120
 QY 121 QAFQAVOKELQHIVGQSQRRAEKAMGDWSLDLAKRSKLEAQPAHLTNATDPSGH 180
 Db 121 QAFQAVOKELQHIVGQSQRRAEKAMGDWSLDLAKRSKLEAQPAHLTNATDPSGH 180
 QY 181 KVSLSSWYHDRGMWAKISNMFSNGKLINYNDGFYLYANICFRHETSCDLATEYLQMV 240
 Db 181 KVSLSSWYHDRGMWAKISNMFSNGKLINYNDGFYLYANICFRHETSGLATEYLQMV 240
 QY 241 YVTKTSIKPSHTLMKGGSKYWGSNSERHFYSINVGGFKLRSGEELIEVSNSPLD 300
 Db 241 YVTKTSIKPSHTLMKGGSKYWGSNSERHFYSINVGGFKLRSGEELIEVSNSPLD 300

QY 301 PDQDATYFGAKVYR DID 317
 Db 301 PDQDATYFGAKVYR DID 317

Db 299 DPDQDATYFGAKVYR DID 316

RESULT 10
 US-08-842-842-7
 Sequence 7, Application US/08842842
 Patient No. 5843678
 GENERAL INFORMATION:
 APPLICANT: Boyle, William J.
 TITLE OF INVENTION: OSTEOPROTEGERIN BINDING PROTEINS
 NUMBER OF SEQUENCES: 7

RESULT 11
 US-08-989-362-2
 Sequence 2, Application US/08989362
 Patient No. 6242586
 GENERAL INFORMATION:
 APPLICANT: Gorman, Daniel M.
 APPLICANT: Mattson, Jeanine D.
 TITLE OF INVENTION: Mammalian Cell Surface Antigens; Related
 NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:
 ADDRESSEE: DNAX Research Institute
 STREET: 901 California Avenue
 CITY: Palo Alto
 STATE: California
 COUNTRY: USA
 ZIP: 94304-1104

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/989,362
 FILING DATE: 12-DEC-1997
 CLASSIFICATION: 56
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 60/032,846
 FILING DATE: 13-DEC-1996
 ATTORNEY/AGENT INFORMATION:

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:

NAME: Ching, Edwin P.
 REGISTRATION NUMBER: 34,090
 REFERENCE/DOCKET NUMBER: DX0686
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650)852-9196
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 316 amino acids
 TYPE: amino acid
 MOLECULE TYPE: protein
 US-08-989-362-2

Query Match 84.1%; Score 1417.5; DB 3; Length 316;
 Best Local Similarity 84.3%; Pred. No. 3_3e-136; Mismatches 31; Indels 3; Gaps 2;
 Matches 268; Conservative 16;

QY 1 MRRASRDYTKLRLGSEEMGGPGAPHEGPLH-APPPAPPHOPPAPASRSMFVALLGLGQ 59
 Db 1 MRRASRDYTKLRLGSEEMGGPGAPHEGPLH-APPPAPPHOPPAPASRSMFVALLGLGQ 60

QY 60 WVCSSIALFLYFRAQMDPRISEDSTHCYRLLHENADFDQMTLESQDTKIJPDSCRTI 119
 Db 61 WVCSSIALFLYFRAQMDPRISEDSTHCYRLLHENADFDQMTLESQDTKIJPDSCRTI 118

QY 120 KQAFQAVQKELOHIVGSOHIREKAMWDGSWDLAKRSKLERQPFHLTINATDPSGS 179
 Db 119 KQAFQAVQKELOHIVGSOHIREKAMWDGSWDLAKRSKLERQPFHLTINATDPSGS 178

QY 180 HKVSLSSWYHDRGMKISNMTFSNGKLIVNQDGFYLYANICFRHHENSGDLYATEYQLM 239
 Db 179 HKVSLSSWYHDRGMKISNMTFSNGKLIVNQDGFYLYANICFRHHENSGDLYATEYQLM 238

QY 240 VVYKTSKIPSSHTLMKGGSTKWSGNSEFHYISINGGFFKURSREIEEVNSSL 299
 Db 239 VVYKTSKIPSSHTLMKGGSTKWSGNSEFHYISINGGFFKURSREIEEVNSSL 298

QY 300 DPDODATFGAKVURDID 317
 Db 299 DPDODATFGAKVURDID 316

RESULT 12

US-09-052-521C-2 ; Sequence 2, Application US/09052521C
 ; Patent No. 631408
 ; GENERAL INFORMATION:
 ; APPLICANT: Boyle, William J.
 ; TITLE OF INVENTION: Osteoprotegerin Binding Proteins and Receptors
 ; NUMBER OF SEQUENCES: 2
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Mattson, Jeanine D.
 ; STREET: 901 California Avenue
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94304-1104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentnet Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/671,658A
 ; FILING DATE: 27-Sep-2000
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/889,362
 ; FILING DATE: 12-DEC-1997
 ; APPLICATION NUMBER: US 60/032,846
 ; FILING DATE: 13-DEC-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ching, Edwin P.
 ; REGISTRATION NUMBER: 34,090
 ; REFERENCE/DOCKET NUMBER: DX0686
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (650)496-1204
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 316 amino acids
 ; TYPE: amino acid
 ; MOLECULE TYPE: protein
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 ; US-09-671-658A-2

Query Match 84.1%; Score 1417.5; DB 4; Length 316;
 Best Local Similarity 84.3%; Pred. No. 3_3e-136; Mismatches 31; Indels 3; Gaps 2;
 Matches 268; Conservative 16;

QY 1 MRRASRDYTKLRLGSEEMGGPGAPHEGPLH-APPPAPPHOPPAPASRSMFVALLGLGQ 59
 Db 1 MRRASRDYTKLRLGSEEMGGPGAPHEGPLH-APPPAPPHOPPAPASRSMFVALLGLGQ 60

QY 1 MRRASRDYTKLRLGSEEMGGPGAPHEGPLH-APPPAPPHOPPAPASRSMFVALLGLGQ 59

Query Match 78.7%; Score 1326.5; DB 3; Length 294;
 Best Local Similarity 84.5%; Pred. No. 5.6-127; Indels 3; Gaps 2;
 Matches 250; Conservative 16; Mismatches 27; Index 3;

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 QY 120 KQAFQAVOKERLOHIVGSGHRAKAMYDGSWLDLAKRSKLEAQPFHALTINATDIPSGS 179
 Db 119 KQAFQAVOKERLOHIVGPOFGAPAMMGSWLDVAQRKPEAQPFHALTINASIPGS 178
 QY 180 HKVLSLSSWHDGRWAKISMUTFSNGKLIVNQDGYYLYANICRHHETSGDATEYQLM 239
 Db 179 HKVTLSSWHDGRWAKISMUTFSNGKLIVNQDGYYLYANICRHHETSGDATEYQLM 238
 QY 240 WYVKTISKIPSSITLMKGGSTKWKSGNSEPHYSINVGGFKURSGBEISTEVNSPL 299
 Db 239 WYVKTISKIPSSINLMKGGSTKWKSGNSEPHYSINVGGFKURGEELSIQVNSPL 298
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 Db 299 DPDODATYGFAKVYRDID 316

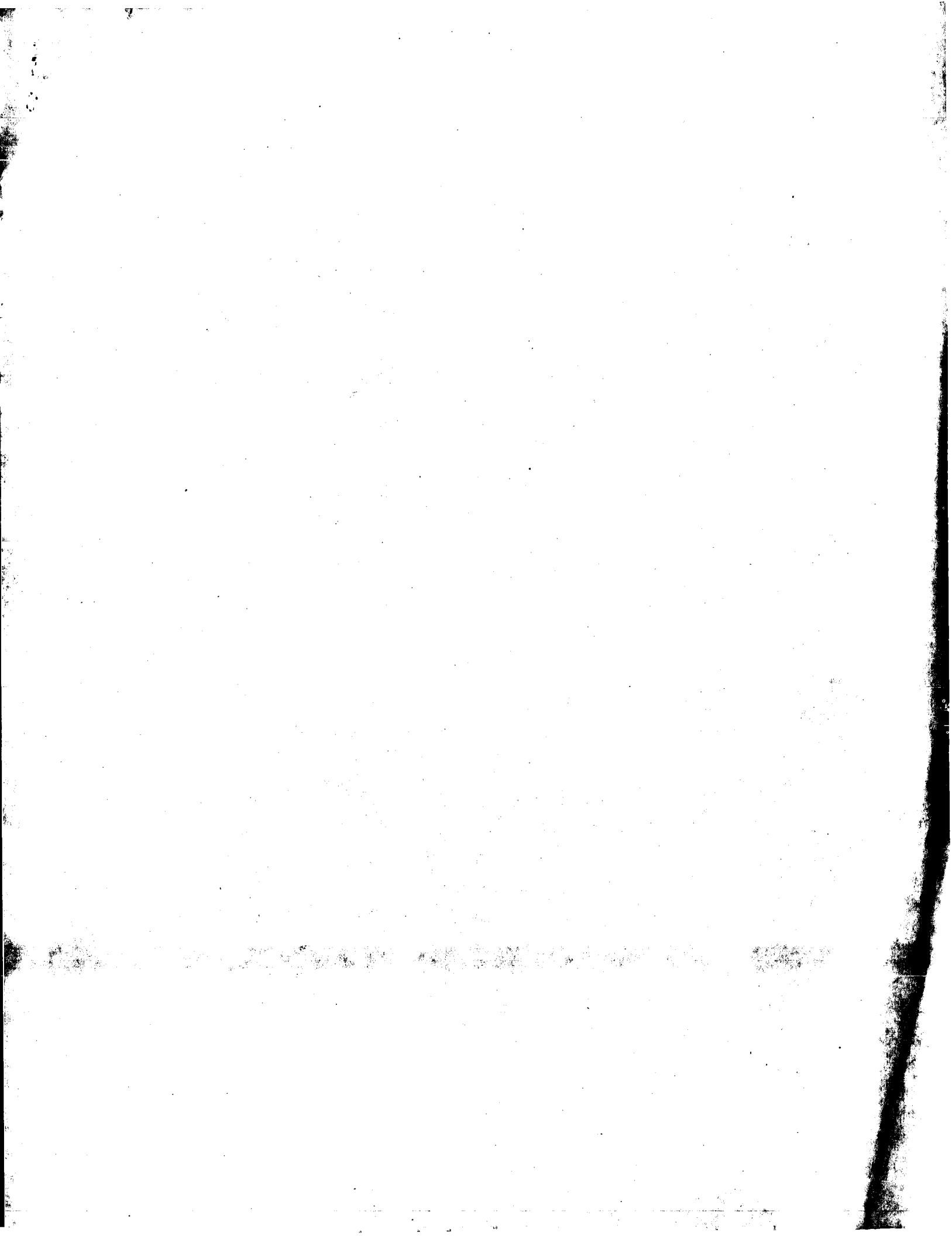
RESULT 14
 US-08-936-139-11
 Sequence 11, Application US/08996139
 Patent No. 6017729
 GENERAL INFORMATION:
 APPLICANT: Galibert, Laurent
 APPLICANT: Anderson, Dirk M.
 APPLICANT: Maraskovsky, Eugene
 TITLE OF INVENTION: Receptor Activator of NF-kappaB
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation, Law Department
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Power Macintosh
 OPERATING SYSTEM: Apple Operating System 7.5.5
 SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/996,139
 FILING DATE: 22 DECEMBER 1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 60/064,671
 FILING DATE: 14 OCTOBER 1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 08/813,509
 FILING DATE: 07 MARCH 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34,693
 REFERENCE/DOCKET NUMBER: 2851-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 294 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-996-139-11

RESULT 15
 US-08-935-659-11
 Sequence 11, Application US/08995659
 Patent No. 6242213
 GENERAL INFORMATION:
 APPLICANT: Anderson, Dirk M.
 APPLICANT: Galibert, Laurent
 APPLICANT: Maraskovsky, Eugene
 TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation, Law Department
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Power Macintosh
 OPERATING SYSTEM: Apple Operating System 7.5.5
 SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/995,659
 FILING DATE: 22 DECEMBER 1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 60/064,671
 FILING DATE: 14 OCTOBER 1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 08/813,509
 FILING DATE: 07 MARCH 1997
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 08/064,671
 FILING DATE: 23 DECEMBER 1996
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34,693
 REFERENCE/DOCKET NUMBER: 2852-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:

LENGTH: 294 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-995-6559-11

Query Match 78.7%; Score 1326.5; DB 3; Length 294;
 Best Local Similarity 84.5%; Pred. No. 5.6e-127; Indels 3;
 Matches 250; Conservative 16; Mismatches 27; Gaps 2;
 Qy 23 GAPHEGPLK-APPPAPPAQPPAASRSMVFLGLGQVCSVALFFYFRAQMDPNISE 81
 Db 1 GVPHEGPRLPRASPARSPARPPAARSMSMLLGLGQVCSIALFLYFRAMDPNRISE 60
 Qy 82 DGHHCIVYRLRHENADPODTLESODPKLIPDSCKRIKAQFOGAVOKELQHIVGSHIR 141
 Db 61 DSTHCFTRILRHENADQDSTLESDT--LPDSCRMRKQAFQGAVOKELQHIVGPFPS 118
 Qy 142 AEKAMVQGSWDLAKRSKLEAPFAHITINADIPSCHKVSLSSWWHDRCIAKISMF 201
 Db 119 GAPAMMEGCSWLDVAQRKPEAQOPPAHLTTNAASIPSGSHKVTLSSWHDRCWAKISMTL 178
 Qy 202 SNKQLIWNQDGFWYLANYNICFRHEWSGDDATEYLQMVYVKTSKRIPSSHTLMKGST 261
 Db 179 SNKQLRVNQDGFWYLANYNICFRHEWSGVPDYLQMVYVKTSKRIPSSNLMKKGST 238
 Qy 262 KWMGNSEBFHFSINVGGFFKLRSGEETIEVSNPSLDPDODATFGAFKVRID 317
 Db 239 KNWGNSEBFHFSINVGGFFKLRAEEETIOSNPSLDPDODATFGAFKVQDID 294

Search completed: August 4, 2003, 15:35:06
 Job time : 15.527 secs



GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

August 4, 2003, 15:34:06 ; Search time 35.2799 Seconds

(without alignments) 1057.091 Million cell updates/sec

Title: US-09-865-363-13

Perfect score: 1685

Sequence: 1 MRRASRDYTKYLRLGSEEMGG.....LLDPDODATYFGAFKVRDID 317

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 451899 seqs, 118759770 residues

Total number of hits satisfying chosen parameters:

451899

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA:*

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3: /cgnd2_6/ptodata/2/pupbaa/US06_NEWPUB.pep:*

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5: /cgnd2_6/ptodata/2/pupbaa/PCTUS_PUBCOMB.pep:*

6: /cgnd2_6/ptodata/2/pupbaa/US08_NEWPUB.pep:*

7: /cgnd2_6/ptodata/2/pupbaa/US08_PUBCOMB.pep:*

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13: /cgnd2_6/ptodata/2/pupbaa/US10A_PUBCOMB.pep:*

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17: /cgnd2_6/ptodata/2/pupbaa/US60_NEWPUB.pep:*

18: /cgnd2_6/ptodata/2/pupbaa/US60_PUBCOMB.pep:*

RESULT 1
US-09-813-329-7
; Sequence 7, Application US/09813329
; Patent No. US20020012968A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: Variants Thereof
; FILE REFERENCE: D016.NP
; CURRENT APPLICATION NUMBER: US/09/813..329
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,816
; PRIORITY FILING DATE: 2000-03-21
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 7
; LENGTH: 317
; TYPE: PRT
; ORGANISM: Drosophila melanogaster

US-09-813-329-7
Query Match 100.0%; Score 1685; DB 9; Length 317;
Best Local Similarity 100.0%; Pred No 9.9e-156;
Matches 317; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Description

No.	Score	Query	Match	Length	DB	ID
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2	1685	100.0	317	9	US-09-871-560-13	Sequence 7, Appl
3	1685	100.0	317	10	US-09-877-560-13	Sequence 13, Appl
4	1685	100.0	317	15	US-10-218-547-22	Sequence 22, Appl
5	147.5	84.1	316	11	US-09-079-669-7	Qy 1 MRRASRDYTKYLRLGSEEMGG.....LLDPDODATYFGAFKVRDID 317
6	1417.5	84.1	316	14	US-10-017-910-4	Db 1 MRRASRDYTKYLRLGSEEMGG.....LLDPDODATYFGAFKVRDID 317
7	1417.5	84.1	316	15	US-10-105-057-2	Sequence 7, Appl
8	1417.5	84.1	316	15	US-10-272-411-19	Sequence 4, Appl
9	1417.5	84.1	316	15	US-10-272-428A-19	Sequence 2, Appl
10	1326.5	78.7	294	9	US-09-871-856-11	Sequence 19, Appl
11	1326.5	78.7	294	10	US-09-877-650-11	Sequence 11, Appl
12	1293	76.7	245	14	US-09-017-910-2	Sequence 2, Appl
13	852	50.6	160	10	US-09-779-550A-15	Sequence 15, Appl
14	790	46.9	170	11	US-09-791-153A-76	Sequence 76, Appl
15	768	45.6	160	10	US-09-779-550A-14	Sequence 14, Appl

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SEQUENCE ALIGNMENTS

Sequence 8, Appl
Sequence 8, Appl
Sequence 11, Appl
Sequence 10, Appl
Sequence 3, Appl
Sequence 6, Appl
Sequence 8, Appl
Sequence 17, Appl
Sequence 8, Appl
Sequence 118, Appl
Sequence 66, Appl
Sequence 4, Appl
Sequence 54, Appl
Sequence 55, Appl
Sequence 11, Appl
Sequence 41, Appl
Sequence 20, Appl
Sequence 6, Appl
Sequence 13, Appl
Sequence 16, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 17, Appl
Sequence 29, Appl
Sequence 77, Appl
Sequence 6, Appl
Sequence 25, Appl

181 KVLSLSSWHDRGWAKISNMTPSNGKLIVNQDGFYVLYANICFRHETSGDLATEYLOLMV 240

RESULT 2
US-09-871-856-13
; Sequence 13, Application US/09871856
; Patent No. US20020081720A1
; GENERAL INFORMATION:
; ;
; APPLICANT: Anderson, Dirk M.
; Galibert, Laurent
; Maraskovsky, Eugene
; TITLE OF INVENTION: Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ;
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; ;
; APPLICATION NUMBER: US/09/871,856
; FILING DATE: 31-MAY-2001
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; ;
; APPLICATION NUMBER: 08/996,139
; FILING DATE: <Unknown>
; REFERENCE DOCKET NUMBER: USSN 08/813,509
; FILING DATE: 07-MARCH-1997
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23-DECEMBER-1996
; ATTORNEY/AGENT INFORMATION:
; ;
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; PRIORITY APPLICATION DATA:
; ;
; APPLICATION NUMBER: 08/995,659
; FILING DATE: 1997-12-22
; CURRENT APPLICATION DATA:
; ;
; APPLICATION NUMBER: US/09/877,650
; FILING DATE: 08-JUN-2001
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; ;
; APPLICATION NUMBER: 08/995,659
; FILING DATE: 1997-12-22
; CURRENT APPLICATION DATA:
; ;
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23-DECEMBER-1996
; ATTORNEY/AGENT INFORMATION:
; ;
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; PRIORITY APPLICATION DATA:
; ;
; APPLICATION NUMBER: 2852-A
; FILING DATE: 07-MARCH-1997
; TELECOMMUNICATION INFORMATION:
; ;
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 13:
; ;
; SEQUENCE CHARACTERISTICS:
; ;
; LENGTH: 317 amino acids
; ;
; TYPE: amino acid
; ;
; TOPOLOGY: linear
; ;
; MOLECULE TYPE: protein
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; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
; ;
; US-09-871-856-13
; ;
; Query Match 100.0%; Score 1685; DB 9; Length 317;
; Best Local Similarity 100.0%; Pred. No. 9.9e-156; Indels 0; Gaps 0;
; Matches 317; Conservative 0; Mismatches 0;
; ;
; QY 1 MRRASRDYTYKVLRGSEEMGGPGAPHEGPIHAPPAPPHOPPAASRSRMVALLGLGQV 60
; ;
; Db 1 MRRASRDYTYKVLRGSEEMGGPGAPHEGPIHAPPAPPHOPPAASRSRMVALLGLGQV 60
; ;
; QY 61 VCSVALFFYFRQMDPNTSBDGTCIYRFLRLHENADPDTTLESQDTTRKLIPDSCRTR 120
; ;
; Db 61 VCSVALFFYFRQMDPNTSBDGTCIYRFLRLHENADPDTTLESQDTTRKLIPDSCRTR 120
; ;

RESULT 3
US-09-877-650-13
; Sequence 13, Application US/09877650
; Patent No. US20020169117A1
; GENERAL INFORMATION:
; ;
; APPLICANT: Anderson, Dirk M.
; Galibert, Laurent
; Maraskovsky, Eugene
; TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ;
; ADDRESSEE: Immunex Corporation, Law Department
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
; CURRENT APPLICATION DATA:
; ;
; APPLICATION NUMBER: US/09/877,650
; FILING DATE: 08-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; ;
; APPLICATION NUMBER: 08/995,659
; FILING DATE: 1997-12-22
; CURRENT APPLICATION DATA:
; ;
; APPLICATION NUMBER: USSN 08/772,330
; FILING DATE: 23-DECEMBER-1996
; ATTORNEY/AGENT INFORMATION:
; ;
; NAME: Perkins, Patricia Anne
; REGISTRATION NUMBER: 34,693
; PRIORITY APPLICATION DATA:
; ;
; APPLICATION NUMBER: 2852-A
; FILING DATE: 07-MARCH-1997
; TELECOMMUNICATION INFORMATION:
; ;
; TELEPHONE: (206)587-0430
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 13:
; ;
; SEQUENCE CHARACTERISTICS:
; ;
; LENGTH: 317 amino acids
; ;
; TYPE: amino acid
; ;
; TOPOLOGY: linear
; ;
; MOLECULE TYPE: protein
; ;
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
; ;
; US-09-877-650-13
; ;
; Query Match 100.0%; Score 1685; DB 10; Length 317;
; Best Local Similarity 100.0%; Pred. No. 9.9e-156; Indels 0; Gaps 0;
; Matches 317; Conservative 0; Mismatches 0;
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; QY 1 MRRASRDYTYKVLRGSEEMGGPGAPHEGPIHAPPAPPHOPPAASRSRMVALLGLGQV 60
; ;
; Db 1 MRRASRDYTYKVLRGSEEMGGPGAPHEGPIHAPPAPPHOPPAASRSRMVALLGLGQV 60
; ;

APPLICANT: Choi, Yongwon
Wong, Brian
Joslen, Regis
Steinman, Ralph

TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING SAME
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/017,910
FILING DATE: 14 Dec 2001
CLASSIFICATION: <Unknown>
REFERENCE/DOCKET NUMBER: US 09/447,035
APPLICATION NUMBER: 1999-11-22
FILING DATE: 1999-11-22

ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
TELEPHONE: 201-343-1684
TELEFAX: 201-487-5800

SEQUENCE FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 316 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 4:
batch
local Similarity 84.1%; Score 1417.5; DB 14; Length 316;
s 268; Conservative 16; Mismatches 31; Indels 3; Gaps 2;

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1 MRRASDYKVKLRSSEEMGGSPGPVPHEGPLPAPSAPAPPAASRSMELLLGLGQ 60

60 VVCSSVALFFYRAQMDPNRISEDGTHCYIRTLRHENADQFTTLESQDTKLIPDSRR 119
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QY 60 WVCSSVALFFYRAQMDPNRISEDGTHCYIRTLRHENADQFTTLESQDTKLIPDSRR 119
Db 61 VVCSSVALFLYFRAQMDPNRISEDGTHCYIRTLRHENADQFTTLESQDTKLIPDSRR 118

QY 120 KQAFQAVOKRELQHIVGSOHRAEKAMVIGSWLDAKRSKLEOPFAHLTINATDIPSGS 179
Db 119 KQAFQAVOKRELQHIVGSOHRAEKAMVIGSWLDAKRSKLEOPFAHLTINATDIPSGS 178

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Db 179 HKVLSLSSWHDRGWAKTSNTNFNSNGKLTVNQDGYYLYANICFRHETSGVPTDYLQM 238

QY 240 VVYKTSKIPPSITLMKGSKTKWGSNSRFHEYSINVGGFFKRSGEETIIEVSNSPL 299
Db 239 VVYKTSKIPPSITLMKGSKTKWGSNSRFHEYSINVGGFFKRSGEETIIEVSNSPL 298

QY 300 DPDDATFGAKFRRID 317
Db 299 DPDDATFGAKFRRID 316

RESULT 8
US-10-272-411-19
Sequence 19, Application US/10272411
Publication No. US20030100068A1

GENERAL INFORMATION:
APPLICANT: Barnes Jewish Hospital
APPLICANT: Lam, Jonathan
APPLICANT: Ross, F. Patrick
APPLICANT: Teitelbaum, Steven
TITLE OF INVENTION: RANK MIMICS AND USES THEREOF
FILE REFERENCE: 60019620-0202
CURRENT APPLICATION NUMBER: US/10/272,411
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: 60/329,393
PRIOR FILING DATE: 2001-10-15
NUMBER OF SEQ ID NOS: 52

SOFTWARE: Patentin version 3.1
SEQ ID NO 19
LENGTH: 316

TYPE: PRT
ORGANISM: Homo sapiens
US-10-272-411-19

RESULT 11
 US-09-877-650-11
 ; Sequence 11, Application US/09877650
 ; Patent No. US20020169117A1
 GENERAL INFORMATION:
 APPLICANT: Anderson, Dirk M.
 Maraskovsky, Eugene
 Galibert, Laurent
 TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappaB
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation, Law Department
 STREET: 51 University Street
 CITY: Seattle
 STATE: WA
 COUNTRY: USA
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Power Macintosh
 OPERATING SYSTEM: Apple Operating System 7.5.5
 SOFTWARE: Microsoft Word for Power Macintosh 6.0.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09877, 650
 FILING DATE: 08-Jun-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/995, 659
 FILING DATE: 1997-12-22
 APPLICATION NUMBER: USSN 08/813, 509
 FILING DATE: 07-MARCH-1997
 APPLICATION NUMBER: USSN 08/772, 330
 FILING DATE: 23-DECEMBER-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34, 693
 REFERENCE/DOCKET NUMBER: 2852-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 294 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 ; US-09-877-650-11

Query Match 78.7%; Score 1326.5; DB 10; Length 294;
 Best Local Similarity 84.5%; Pred. No. 7.1e-121;
 Matches 250; Conservative 16; Mismatches 27; Indels 3; Gaps 2;

QY 23 GAPHGPGPL-APPPAPPHOPPAAASRSMFVALGGIGLQGVCSVALFFRAQMPPRSE 81
 1 GVPHEGKLPHAPPSAPAPPAPPAASSRSMFLALLGLGQVCSTALLEFLYFRAQMPPRSE 60

QY 82 DGTICIIYRLHLHENADFDTTLSSQDTKLIPIPSERRIKQAFQAVOKELQHIVGSQHIR 141
 61 DSTCHFYRIRLHENADFDTSLSEEDT-LPDUSCRMKAQFOGAQVOKELQHIVGPQRS 118

QY 142 AEKAMNDGSDLAKRSKLEQPAHLNTNATDPSGSHKVSLSSWHDGWATSNMFT 201
 119 GAPAMEGSMGLDVAQRGKEFAQPAHLNTNAASIPSGSHKVTLSSWHDGWAKISNMTL 178

RESULT 12
 US-10-017-910-2
 ; Sequence 2, Application US/10017910
 ; Publication No. US20020159970A1
 GENERAL INFORMATION:
 APPLICANT: Choi, Yongwon
 Josien, Regis
 Wong, Brian
 Steinman, Ralph
 TITLE OF INVENTION: A PROTEIN BELONGING TO THE TNF SUPERFAMILY INVOLVED IN SIGNAL TRANSDUCTION, NUCLEIC ACIDS ENCODING METHODS OF USE THEREOF
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Klauber & Jackson
 STREET: 411 Hackensack Avenue, 4th Floor
 CITY: Hackensack
 STATE: New Jersey
 COUNTRY: USA
 ZIP: 07601
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/017, 910
 FILING DATE: 14-Dec-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 09/447, 035
 FILING DATE: 1999-11-22
 ATTORNEY/AGENT INFORMATION:
 NAME: Jackson, Esq., David A.
 REGISTRATION NUMBER: 26,742
 REFERENCE/DOCKET NUMBER: 600-1-200
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-487-5800
 TELEFAX: 201-343-1684
 TELEX: 133521
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 245 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 ; US-10-017-910-2

Query Match 75.7%; Score 1293; DB 14; Length 245;
 Best Local Similarity 93.6%; Pred. No. 1e-117; P. Mismatches 1; Indels 0; Gaps 0;
 Matches 244; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 73 QMDPNRISEDGTHCYTRLHLHENADFDQDTLESQDTKLIPIPSERRIKQAFQAVOKELQ 132
 1 QMDPNRISEDGTHCYTRLHLHENADFDQDTLESQDTKLIPIPSERRIKQAFQAVOKELQ 60

QY 133 HIVGSQHIREKAMTDGWSWLDAKRSKLEQPAHLNTNATDPSGSHKVSLSSWHDRG 192
 61 HIVGSQHIREKAMTDGWSWLDAKRSKLEQPAHLNTNATDPSGSHKVSLSSWHDRG 120

QY 193 WAKISNMNTSGNGKLIVQNQGFFYLYANICFRRHETSGSHTDQVYVVTKSFKIPSS 252
 121 WKGTSNMFENGKLNQGFFYLYANICFRRHETSGSHTDQVYVVTKSFKIPSS 180

Query 253 HTLMKGGS~~T~~KWWSGNSEFHYSINVGGFFKLRSCEETIEVSNSPLDPPDATYEGAFK 312
 Db 181 HTLMKGGS~~T~~KWWSGNSEFHYSINVGGFFKLRSCEETIEVSNSPLDPPDATYEGAFK 240
 Qy 313 VRDID 317
 Db 241 VRDID 245

RESULT 13
 US-09-779-050A-15
 ; Sequence 15, Application US/09779050A
 ; Patent No. US20020160416A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BOYLE, WILLIAM
 ; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
 ; FILE REFERENCE: A-570B
 ; CURRENT APPLICATION NUMBER: US/09779050A
 ; CURRENT FILING DATE: 2001-02-12
 ; PRIORITY APPLICATION NUMBER: 60/181, 800
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 52
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 15
 ; LENGTH: 160
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

Query Match 50.6%; Score 852; DB 10; Length 160;
 Best Local Similarity 100.0%; Pred. No. 4.7e-75;
 Matches 160; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 158 SKLEAQPF~~A~~HLTNTADIPSGSHKYLSSYH~~D~~G~~W~~AKTSNMTS~~N~~CKLIVNODG~~F~~YLY 217
 Db 1 SKLEAQPF~~A~~HLTNTADIPSGSHKYLSSYH~~D~~G~~W~~AKTSNMTS~~N~~CKLIVNODG~~F~~YLY 60
 Qy 218 ANICFRRHETSGD~~L~~ATEYLOL~~M~~VY~~T~~KTSKIPSSHTLMKGGS~~T~~KWWSGNSEFHYSINV 277
 Db 61 ANICFRRHETSGD~~L~~ATEYLOL~~M~~VY~~T~~KTSKIPSSHTLMKGGS~~T~~KWWSGNSEFHYSINV 120
 Qy 278 GGFKLRSCEETIEVSNSPLDPPDATYEGAFKVRDID 317
 Db 121 GGFKLRSCEETIEVSNSPLDPPDATYEGAFKVRDID 160

RESULT 14
 US-09-791-153A-76
 ; Sequence 76, Application US/0991153A
 ; Publication No. US20030103978A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Deshpande, Rajendra
 ; APPLICANT: Hitz, Anna
 ; APPLICANT: Boyle, William
 ; APPLICANT: Sullivan, John
 ; TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
 ; FILE REFERENCE: A-633A
 ; CURRENT APPLICATION NUMBER: US/09791, 153A
 ; CURRENT FILING DATE: 2001-07-17
 ; PRIOR APPLICATION NUMBER: 09/511, 139
 ; PRIOR FILING DATE: 2000-02-23
 ; NUMBER OF SEQ ID NOS: 154
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 76
 ; LENGTH: 170
 ; TYPE: PRT
 ; ORGANISM: Mus musculus

Query Match 46.9%; Score 790; DB 11; Length 170:
 Best Local Similarity 91.4%; Pred. No. 5.6e-69; Length 170:

Matches 148; Conservative 5; Mismatches 9; Indels 0; Gaps 0;
 Qy 156 KRSKLF~~A~~QPF~~A~~HLTNTADIPSGSHKYLSSWYH~~D~~G~~W~~AKTSNMTS~~N~~CKLIVNODG~~F~~Y 215
 Db 9 KKLKPBAQPF~~A~~HLTNTASIPSGSHKYLSSWYH~~D~~G~~W~~AKTSNMTS~~N~~CKLIVNODG~~F~~Y 68
 Qy 216 LYANICFRRHETSGD~~L~~ATEYLOL~~M~~VY~~T~~KTSKIPSSHTLMKGGS~~T~~KWWSGNSEFHYSI 275
 Db 69 LYANICFRRHETSGD~~L~~ATEYLOL~~M~~VY~~T~~KTSKIPSSHTLMKGGS~~T~~KWWSGNSEFHYSI 128
 Qy 276 NVGGFFKLRGEEETIEVSNSPLDPPDATYEGAFKVRDID 317
 Db 129 NVGGFFKLRGEEETIEVSNSPLDPPDATYEGAFKVRDID 170

RESULT 15
 US-09-779-050A-14
 ; Sequence 14, Application US/09779050A
 ; Patent No. US20020160416A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BOYLE, WILLIAM
 ; APPLICANT: HSU, HAILEING
 ; TITLE OF INVENTION: RECEPTOR FROM TNF FAMILY
 ; FILE REFERENCE: A-570B
 ; CURRENT APPLICATION NUMBER: US/09779050A
 ; CURRENT FILING DATE: 2001-02-12
 ; PRIORITY APPLICATION NUMBER: 60/181, 800
 ; PRIOR FILING DATE: 2000-02-11
 ; NUMBER OF SEQ ID NOS: 52
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 14
 ; LENGTH: 160
 ; TYPE: PRT
 ; ORGANISM: Mus musculus

Query Match 45.6%; Score 768; DB 10; Length 160;
 Best Local Similarity 89.9%; Pred. No. 7.1e-67;
 Matches 143; Conservative 6; Mismatches 10; Indels 0; Gaps 0;

Qy 159 KLEAQPF~~A~~HLTNTADIPSGSHKYLSSWYH~~D~~G~~W~~AKTSNMTS~~N~~CKLIVNODG~~F~~YLY 218
 Db 2 KLEAQPF~~A~~HLTNTADIPSGSHKYLSSWYH~~D~~G~~W~~AKTSNMTS~~N~~CKLIVNODG~~F~~YLY 61
 Qy 219 NICFRRHETSGD~~L~~ATEYLOL~~M~~VY~~T~~KTSKIPSSHTLMKGGS~~T~~KWWSGNSEFHYSINV 278
 Db 62 NICFRRHETSGSYPTDYLQLM~~V~~V~~T~~KTSKIPSSHTLMKGGS~~T~~KWWSGNSEFHYSINV 121
 Qy 279 GF~~K~~LRGEETIEVSNSPLDPPDATYEGAFKVRDID 317
 Db 122 GF~~K~~LRAGEETIEVSNSPLDPPDATYEGAFKVRDID 160

Search completed: August 4, 2003, 15:45:56
 Job time : 36.2799 secs

